

Robert H. Peterson Co.

Owner's Manual

Real Fyre®

Hand-Crafted Gas Logs Since 1949

Unregulated Burner Systems:

G45-2-18/20(P)

G45-2-24(P)

G45-2-30(P)



DESIGN CERTIFIED
to
RGA - 72

GAS FIREPLACE LOG
SET

FOR INSTALLATION IN A SEE-THRU FIREPLACE ONLY

G45-2 SEE-THRU SERIES

WARNING

If the information in this manual is not followed exactly, a fire or explosion may result, causing property damage, personal injury, or loss of life.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS:

- Open a window.
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in the building.
- Immediately call the gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach the gas supplier, call the fire department.

Installation and service must be performed by an NFI Certified or other qualified professional installer, service agency, or the gas supplier.



We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

Important: Read these instructions carefully before starting installation of the log set.

The Peterson Real-Fyre® gas log set is to be installed only in a solid-fuel-burning fireplace with a working flue constructed of noncombustible material. Solid fuels shall not be burned in a fireplace where this gas log set is installed. The installation, including provisions for combustion, ventilation air, and required minimum permanent vent opening, must conform with the *National Fuel Gas Code (ANSI Z223.1/NFPA 54)* and applicable local building codes. In Canada, the installation must conform with the *Natural Gas and Propane Storage and Handling Installation Code (CSA-B149.1)*. A damper clamp is included to maintain the minimum permanent vent opening and to prevent full closure of the damper blade. **The chimney damper should be fully opened when burning the log set.**

Important: To comply with certification and building code acceptance, and for safe operation and proper performance, ONLY Peterson parts and accessories may be used with this gas log set.

INSTALLER & CONSUMER

These instructions MUST be retained with this appliance for future reference.



Robert H. Peterson Co. • 14724 East Proctor Avenue • City of Industry, CA 91746

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GENERAL INFORMATION

Keep the area of the gas log set clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

MAINTENANCE: Periodically remove the logs and examine the burner assembly. If dirty, clean with a stiff brush. Also, examine the area around the burner air shutter and pilot, removing any dirt or lint. Occasional cleaning will ensure long life and trouble-free operation. An annual inspection and cleaning of the vent system by a qualified agency is recommended.

**Real- Fyre® G45-2 Series Technical Data Table
(Unregulated)**

Log Set Size	Fire Box Width	Fire Box Depth	Fire Box Height	Min. Chimney Height	Vent Opening	BTU Natural	BTU Propane
18/20"	27"	20"	25"	15'	51 sq. in.	75,000	60,000
24"	33"	20"	25"	15'	64 sq. in.	90,000	65,000
30"	39"	20"	25"	15'	64 sq. in.	90,000	80,000

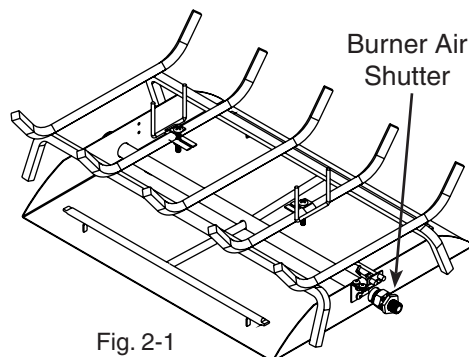


Fig. 2-1

Important: For safe operation and proper performance of this product, and to comply with certification, listings, and building code acceptances, use ONLY Peterson Real-Fyre® controls, parts, and accessories that have been specifically listed or certified for use with this burner system. Use of other controls, parts, or accessories is prohibited and will void all warranties, certifications, listings, and building code approvals, and may cause property damage, personal injury, and loss of life.

WHEN GLASS FIREPLACE ENCLOSURES (DOORS) ARE USED, OPERATE THE GAS LOG SET WITH THE GLASS DOORS FULLY OPEN.

GENERAL INFORMATION (Cont.)

The Real-Fyre® gas log set is to be installed only in a fully vented, noncombustible fireplace with an open damper. The chimney must be free of any obstructions. The fireplace must be designed and approved to burn wood. The fireplace flue must be at least 8" at its smallest dimension.

The fireplace must have a gas-supply line that has been installed by a qualified technician in accordance with all local codes. The gas-supply line must be 1/2" minimum interior diameter. If the gas line to the fireplace is longer than 20', a larger-diameter line may be necessary.

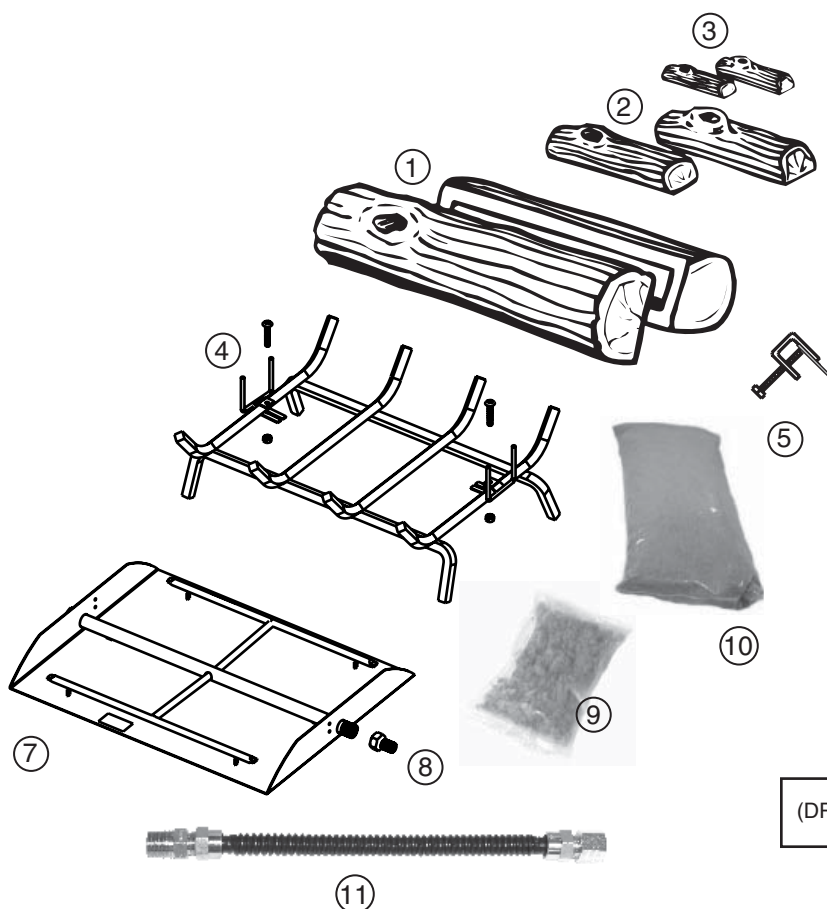
Be sure to clean the fireplace floor of any ashes or other foreign materials. It is recommended that the fireplace and chimney be inspected by a chimney sweep or other qualified person before you install the Real-Fyre® gas log set.

Required Gas Pressure: The minimum inlet gas-supply pressure for the purpose of input adjustment is 7" water column (w.c.) for natural gas and 11" w.c. for propane gas. The maximum inlet gas-supply pressure is 10.5" w.c. for natural gas and 13" w.c. for propane gas.

Testing the Gas-Supply System: The gas log set and its individual shutoff valve must be disconnected from the gas-supply piping system while performing any tests of the piping system at pressures in excess of 1/2 psig. The gas log set must be isolated from the gas-supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas-supply piping system at test pressures equal to or less than 1/2 psig. A fireplace screen must be in place when the log set is burning. **When glass fireplace doors are used, operate the gas log set with the doors open.**

PARTS LIST

Note: Log styles and part sizes will vary, depending upon the G45-2 series log set ordered. When ordering replacement parts, be sure to indicate the log set size and model. (Model RG5-2-24 Golden Oak illustrated.)



Item No.	Description
1.	Bottom log (2) 24"
2.	Top log (2) 15"
3.	Top log (2) 9"
4.	Log locator (2)
5.	Damper clamp
6.	Fireplace grate 24"
7.	Ember burner 24"
8.	Fuel injector
9.	Glowing Embers (2 bags)
10.	Sand for natural gas (2 bags)
or.	Vermiculite for propane gas (2 bags)
11.	Connector kit

- Replacement parts are available through your local Real-Fyre® dealership.

(DRAWINGS NOT TO SCALE)

PRE-INSTALLATION AND FIREPLACE PREPARATION SAFETY GUIDELINES

CAUTION: Installation and repair must be done by an NFI Certified or other qualified, professional installer. Installer: Carefully read these instructions before installing this gas appliance. Be sure you understand all safety precautions and warnings contained in this manual.

- A.** This appliance is designed as an **attended appliance**. Adults must be present when this gas appliance is operating. Do not leave this unit burning when unattended or while anyone is sleeping.
- B.** This appliance is only for use with the type of gas indicated on the rating plate. This appliance is **NOT CONVERTIBLE** for use with other gasses.
- C. BE CAREFUL: If not installed, serviced, and used correctly per these instructions, this product can cause serious personal injury, property damage, or loss of life.**

PRE-INSTALLATION AND FIREPLACE PREPARATION SAFETY GUIDELINES

- D. WARNING:** Before installing in a solid-fuel-burning fireplace, the chimney flue, damper, and firebox must be thoroughly CLEANED of soot, creosote, ashes, and loose paint, and inspected by a qualified chimney cleaner. Some older fireplaces may need repair prior to installing this appliance.
- E. CHECK GAS TYPE** (natural or propane): The gas supply must be the same as stated on your burner system rating plate. If gas supply is different, **DO NOT INSTALL**. Contact your dealer for immediate assistance.
- F.** Any outside air ducts and/or ash dumps located on the floor or walls of the fireplace must be permanently sealed shut before the installation. Use a heat-resistant sealant. Do not seal the chimney flue damper.
- G. INSUFFICIENT GAS PRESSURE WILL KEEP THE PILOT FROM OPERATING PROPERLY. DO NOT USE IF GAS PRESSURE IS LOWER THAN THE MINIMUM REQUIREMENT.**
- H.** The gas piping system must be sized to provide minimum inlet pressure at the maximum flow rate (BTU/hr). Undue pressure loss will occur if the pipe is too small, or the run is too long.
- I.** The minimum clearance from the fireplace opening to combustible materials on side walls and ceiling must be maintained as outlined in MINIMUM CLEARANCE TO COMBUSTIBLES - WALLS AND CEILING.
- J.** At least 10"-12" of noncombustible or heat-resistant material is required above the fireplace. A fireplace hood will be required to act as a heat deflector in protecting combustible fireplace surrounds (facing and/or mantel) if certain minimum clearances cannot be met.
- K.** Be certain that combustible flooring material (e.g., carpet, tile, etc.) is not too close to this gas appliance. If this appliance is at floor level or less than 6" above the floor, there must be at least 12" of noncombustible material between the base of the fireplace and any combustible flooring.
- L.** Input ratings shown in BTU per hour are for elevations up to 2,000 ft. For elevations above 2,000 ft., refer to the National Fuel Gas Code or contact the Robert H. Peterson Company before installing this product.
- M.** The gas log set and its main gas valve must be disconnected from the gas-supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig.
- N.** The gas log set must be isolated from the gas supply piping system by closing the equipment shutoff valve connected to the gas supply line during any pressure testing of the gas-supply piping system at test pressures equal to or less than 1/2 psig.

IMPORTANT SAFETY INFORMATION

INSTALLATION SAFETY GUIDELINES

- A. Before installing in a solid-fuel-burning fireplace, the chimney, flue, and firebox **must be cleaned** of soot, creosote, ashes, and loose paint by a qualified chimney cleaner.
- B. Carefully inspect the burner and log cartons for shipping damage. If any parts are missing/damaged, call your dealer. **Do not attempt** to install the appliance unless all parts are in good condition.
- C. If you use Lava Granules for decorative use, do not allow Lava Granules into or on any part of the burner or on the logs. Lava Granules should only be placed on the floor of the fireplace, in front of and to the sides of the burner, but away from the controls.
- D. Due to high temperatures, the log set should be located out of traffic, away from furniture and draperies.
- E. A fireplace screen must be in place when the gas log set is in operation. Unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air.
- F. Connecting directly to an unregulated propane tank can cause an explosion.
- G. Special care is required if you are installing the unit into a sunken fireplace. You must raise the fireplace floor to allow access to gas log controls. This will ensure adequate airflow and guard against sooting. Raise the fireplace floor using noncombustible materials.

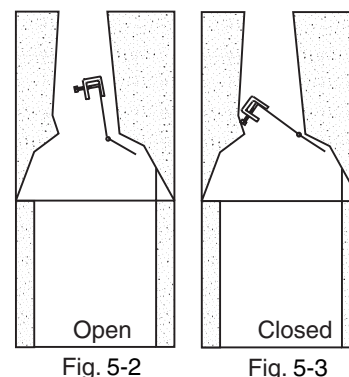
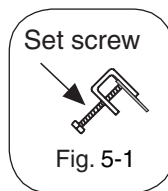
Note: Do not use this log set if any part has been underwater. Immediately call a qualified professional service technician to inspect the appliance and replace any part of the control system and gas control that has been underwater.

DAMPER CLAMP INSTRUCTIONS

The damper clamp with set screw (Fig. 5-1) is provided as a means to prevent full closure of the damper blade. The clamp is easily attached to most damper blades with pliers or a wrench, and must be permanently installed. The clamp is designed to prevent accidental closure of the damper when installed as illustrated (Fig. 5-2 & Fig. 5-3). Should the clamp not fit, or provide the permanent vent opening listed in the Technical Data Table, have a permanent stop installed, remove the damper blade, or have the damper cut to provide the minimum permanent opening required.

WARNING

The fireplace damper must remain completely wide open when operating the log set.



FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING

If you do not follow these instructions exactly, a fire or explosion can result, causing property damage, personal injury, or loss of life.

- A. The Peterson Real-Fyre® gas log set has a pilot that must be lit. When lighting the pilot, follow these instructions exactly.
- B. **BEFORE LIGHTING**, smell all around the gas log set area for gas. Be sure to smell next to the floor, because some gas is heavier than air and will settle on the floor.
- C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it. Call a qualified professional service technician. Force or attempted repair may result in a fire or explosion.
- D. Follow the specific instructions for your burner model.

WHAT TO DO IF YOU SMELL GAS

Refer to the boxed warning on p. 1 for instructions on what to do if you smell gas.

CAUTION: Burn hazard. Logs will remain hot for some time after use. You must maintain the log layout as shown to ensure proper operation of your log set. If you need to reposition any log to maintain the proper layout, use heat-resistant gloves or allow logs adequate time to cool before handling.

INSTALLING THE OPTIONAL REAL-FYRE® BURNER SPK & APK SYSTEMS

Note: We recommend that before you install the log set, you familiarize yourself with the control valve layout. This will help you to be confident operating the log set when fully installed (see figures below for typical control positions).

Check to see if the burner fuel injector or air mixer is installed on the side of the burner closest to the gas connection. The fuel injector or air mixer may be mounted at either end of the burner pan. Be sure the opposite end is capped tightly.

The Real-Fyre® gas log set can be installed using a number of valve options. Proceed to the appropriate section identified with the valve option you are using:

Section 1	Fireplace valve	Manual On/Off Valve
Section 2	AV Series	Manual Safety Pilot System
Section 3	SPK Series	Manual Safety Pilot System
Section 4	APK Series	Remote Safety Pilot System

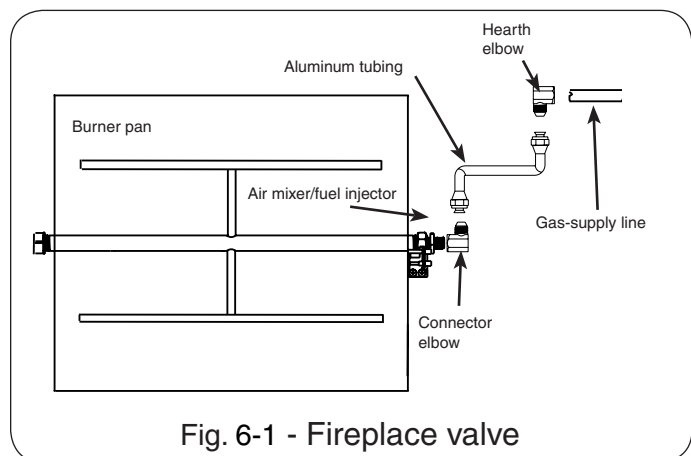


Fig. 6-1 - Fireplace valve

1. Installing the Real-Fyre® gas log set using the valve supplied with fireplace (Fig. 6-1)

- Attach the hearth elbow to the gas-supply stub in the fireplace. Use Teflon tape or pipe compound on the stub. Tighten securely.
- Attach the smaller connector elbow to the fuel injector or air mixer on the burner pan. Use Teflon tape or pipe compound. Tighten securely.
- Connect the hearth elbow to the connector elbow with the aluminum tubing. Tighten both ends securely.
- Use a long-necked butane lighter, or lay a lighted match next to the burner pipe and carefully turn on the gas supply until the burner ignites.

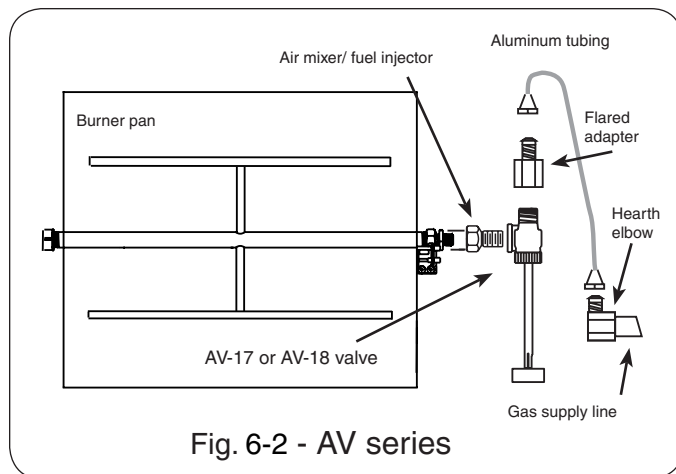


Fig. 6-2 - AV series

- Test for leaks at all connections with a soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten all connections, then turn on the gas and repeat the leak test. Repeat until no leaks are detected. **Never use a flame to check for leaks.**
- Turn off the gas supply.
- Proceed to GRANULE PLACEMENT section.

2. Installing the Real-Fyre® gas log set using a Peterson manual on/off system (AV series) (Fig. 6-2)

The AV series is an on/off control system for use in a fireplace not supplied with its own valve. The solid brass valve is CSA certified. The AV-17 has a knob handle and extension; the AV-18 has a steel rod handle. This system requires a match or long-necked butane lighter to manually ignite the log set.

- Attach the hearth elbow to the gas-supply stub in the fireplace. Use Teflon tape or pipe compound on the stub. Tighten securely.
- Attach the AV valve to the fuel injector or air mixer on the burner pan using the 3/8" elbow supplied with the AV valve. Use Teflon tape or pipe compound. Tighten securely.
- Discard the connector elbow of the connector kit. Be sure the flared adapter supplied with the AV valve is securely attached to the inlet side of the valve. Connect the hearth elbow to the flared adapter with the aluminum tubing. Tighten both ends securely.
- Turn off the AV valve and turn on the gas supply to the fireplace.

To light the gas log set, carefully follow the operating instructions supplied with the Peterson manual safety pilot kit or Peterson remote safety system.

INSTALLING THE REAL-FYRE® BURNER SPK SYSTEM (Cont.)

- e. Use a long-necked butane lighter, or lay a lighted match next to the burner pipe and carefully turn on the AV valve until the burner ignites.
- f. Test for leaks at all connections with a soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten all connections, then turn on the gas and repeat the leak test. Repeat until no leaks are detected. **Never use a flame to check for leaks.**
- g. Turn off the AV valve.
- h. Proceed to GRANULE PLACEMENT section.

3. Installing the Real-Fyre® gas log set using a Peterson manual safety pilot system (SPK series) (Fig. 7-1 & Fig. 7-2)

The Peterson SPK control systems makes enjoying the Real-Fyre® gas log set convenient and trouble-free. Just a turn of the knob (SPK-20, SPK-26, SPK-32, or SPK-33) or steel rod handle (SPK-21) allows you to easily ignite or extinguish the log set. The SPK series is available for natural or propane gas and will continue to operate during power failures, as it requires no outside source of electricity to operate.

The valve is CSA certified, and the standing pilot is adjustable. The built-in safety feature automatically shuts off the gas flow should the pilot go out. A convenient pressure tap is included for easy gas pressure testing. Advanced heat shielding adds greater heat protection for cooler, long-lasting operation.

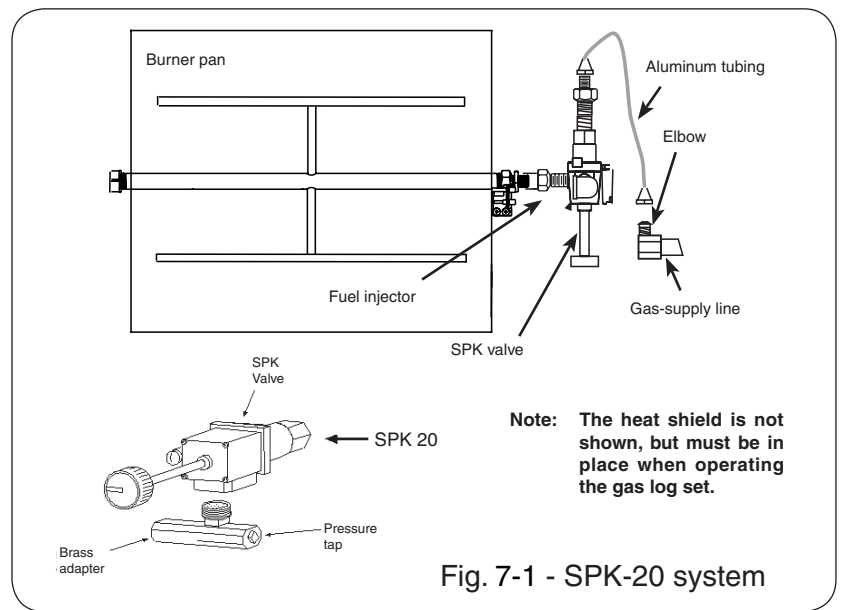


Fig. 7-1 - SPK-20 system

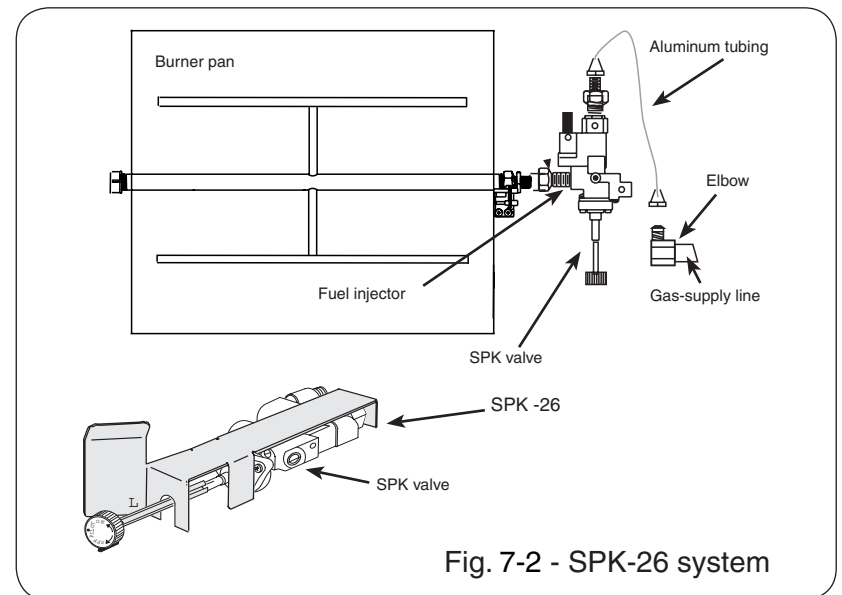
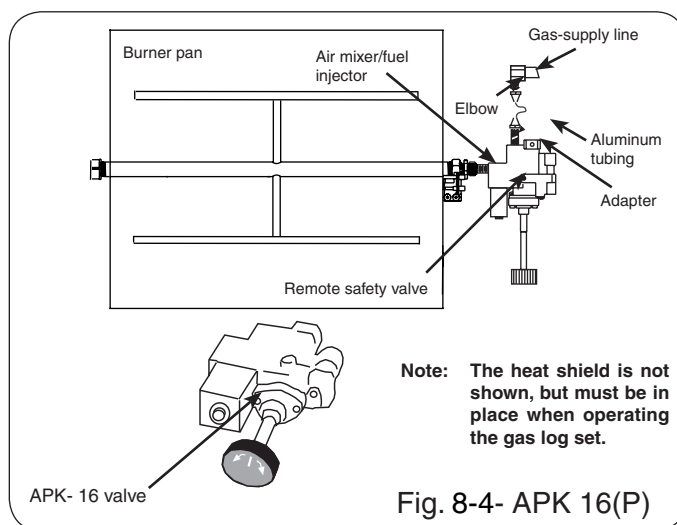
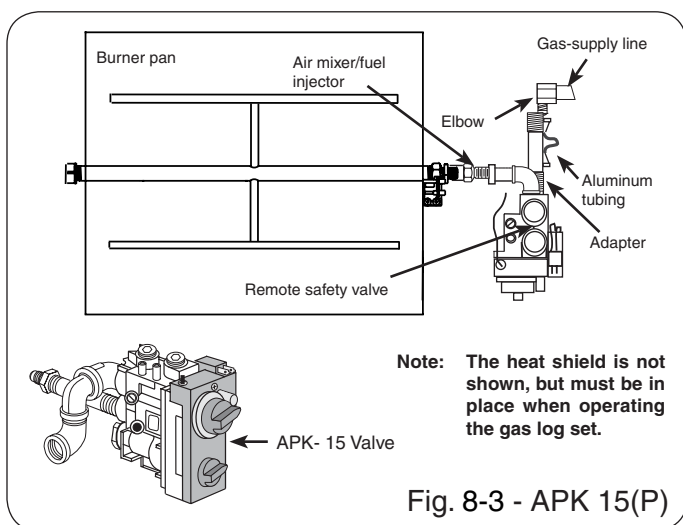
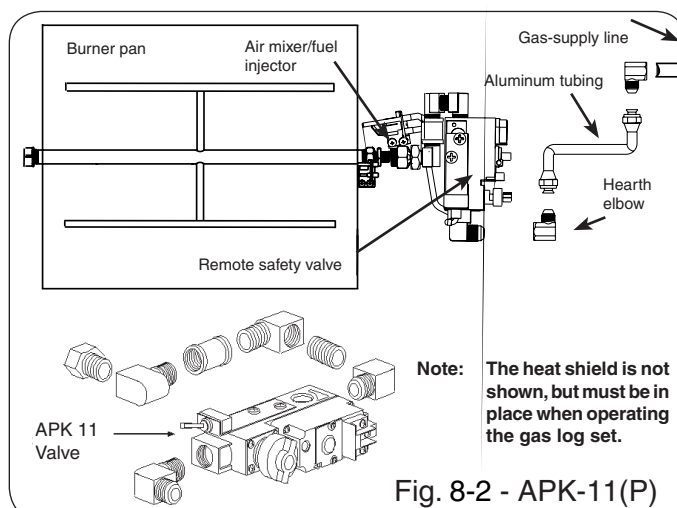
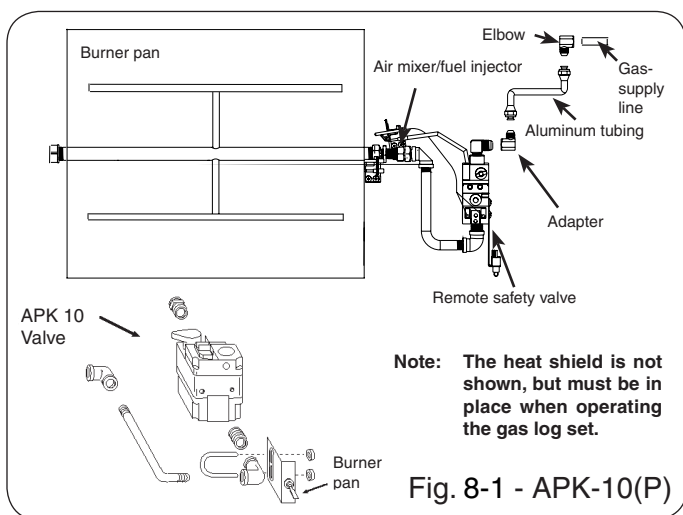


Fig. 7-2 - SPK-26 system

INSTALLING THE REAL-FYRE BURNER® SYSTEM (Cont.)



4. Installing the Real-Fyre® gas log set using a Peterson remote safety pilot system (APK series) APK-10(P), APK-11(P), APK-15(P), APK-16(P)

Peterson remote systems are designed to provide the ultimate in convenient and reliable lighting of the Real-Fyre® gas log set. With the flick of a switch or the push of a button, you can sit back, relax, and enjoy a comforting fire. Each APK system includes a control (a number of options are available), gas valve (APK valves are CSA and C.G.A. certified for natural or propane gas), pilot assembly, heatshield, and APK connector kit.

- Carefully follow the instructions supplied with the Peterson remote safety system for the steps to assemble the remote system and install it on the burner pan.
- Carefully turn on the gas supply, ignite the burner pan, and test for leaks at all connections with a soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten all connections, turn on the gas and repeat the leak test. Repeat until no leaks are detected. **Never use a flame to check for leaks.**
- Turn off the APK system.
- Proceed to GRANULE PLACEMENT section of these instructions.

INSTALLATION

WARNING: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

Peterson Real-Fyre® gas logs must be installed only in a wood-burning fireplace with minimum venting requirements met (see Technical Data Table under GENERAL INFORMATION) and with the damper fully open. Check PARTS LIST to be sure all parts are included. For safe operation and proper performance, use only Robert H. Peterson parts and accessories. Gas-supply pipe must be 1/2". A larger line (3/4") may be required if gas line is longer than 20'.

REFER TO PARTS LIST WHEN FOLLOWING THESE INSTRUCTIONS.

Be sure gas to the fireplace is off when installing the log set.

1. Remove the grate (Item #6) from the carton and attach the log locators (Item #4) at the middle of the grate, positioned per the illustrations of the log option chosen.

Note: Do not place the grate on the burner assembly until you have completed the gas connection and media (sand, vermiculite, or embers) placement.

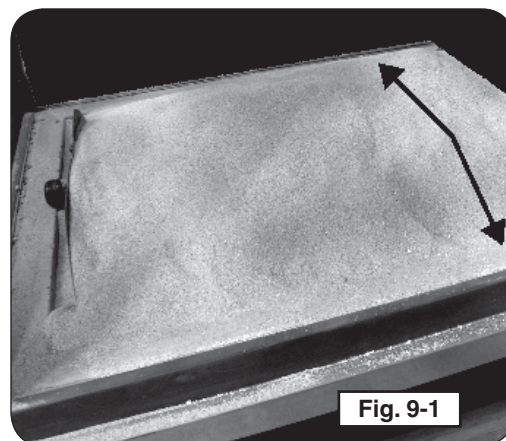
2. Place the burner assembly into the fireplace and center it.
3. Connect the gas connector kit (PARTS LIST, Item #11) to the nipple on the regulator and gas supply of the fireplace and tighten with a wrench.
4. Turn on the gas to the fireplace and test for leaks at all connections with a soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten all connections, turn on the gas and repeat the leak test. Repeat until no leaks are detected. **Never use a flame to check for leaks.**

SAND OR VERMICULITE PLACEMENT

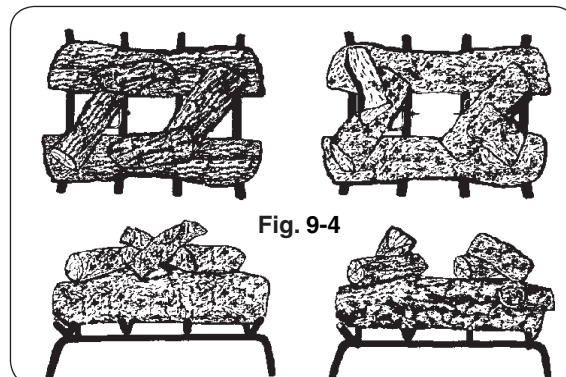
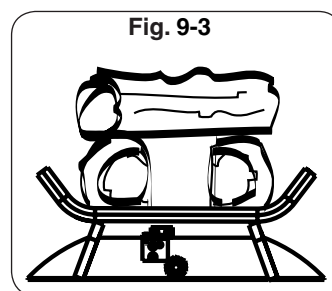
1. With the burner off, fill the burner pans completely with sand or vermiculite (PARTS LIST, Item #10). Slope the media at the same angle as the burner pan (see Fig. 9-1).

EMBER PLACEMENT

1. Sprinkle embers (PARTS LIST, Item #9) lightly and evenly over the entire surface of the granules, making sure that the pilot is not covered (Fig. 9-2). Center the grate over the burner pans (Fig. 9-3).
2. Place the bottom logs on the grate. The log locators (PARTS LIST, Item #4) ensure that adequate space between the logs is maintained for a clean burn (Fig. 9-3).
3. Position the middle logs per the log option chosen.
4. Position the top logs per the log option chosen (Fig. 9-4).



(Sand is for natural units only, vermiculite is for propane units only)



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LIGHTING INSTRUCTIONS - MANUAL VALVE

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING

If you do not follow these instructions exactly, a fire or explosion may result, causing property damage, personal injury, or loss of life.

Do not use this appliance if any part has been underwater. Immediately call for a qualified professional service technician to inspect the appliance and to replace any part of the control system and any gas control that has been underwater.

The Real-Fyre® burner system has a pilot that can be lit by hand using a match or lighter. When lighting the pilot, follow these instructions exactly.

BEFORE LIGHTING, smell all around the burner area for gas. Be sure to smell next to the floor, as some gas is heavier than air and will settle on the floor. IF YOU SMELL GAS, FOLLOW THE INSTRUCTIONS ON P. 1.

Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it. Call a qualified professional service technician. Force or attempted repair may result in fire or explosion.

LIGHTING THE LOG SET

Important: Keep the gas log burner area free from combustible materials, gasoline, and other flammable vapors.

1. Be sure chimney damper is fully open.
2. To light the log set with the fireplace valve, lay a lighted match on the surface of the burner embers (granules) near the gas inlet (Fig. 11-1). DO NOT HOLD THE MATCH IN YOUR HAND. Turn on the gas slowly. Burner should light.
3. If a safety pilot is used, see the safety pilot instruction sheet.
4. If an APK system is used, see APK instructions.

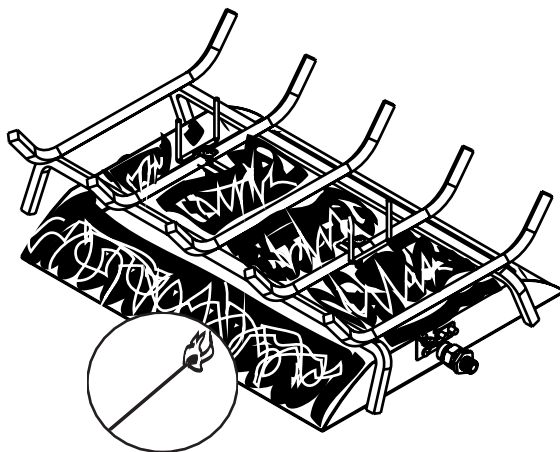
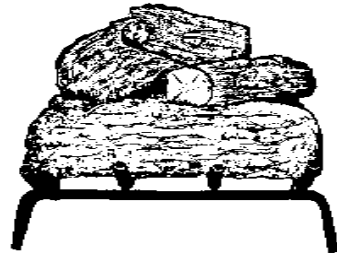
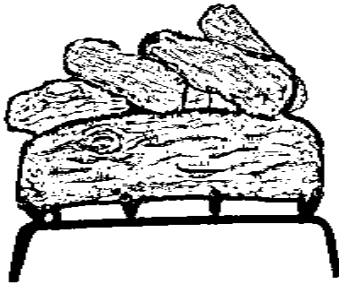
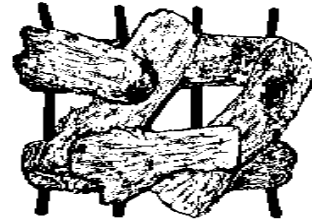
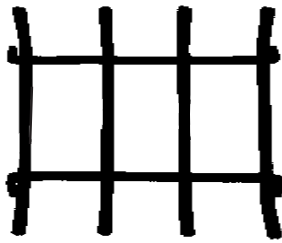
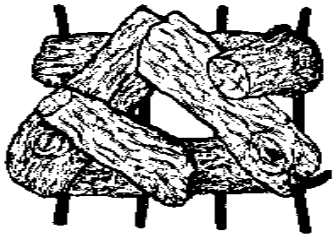


Fig. 11-1

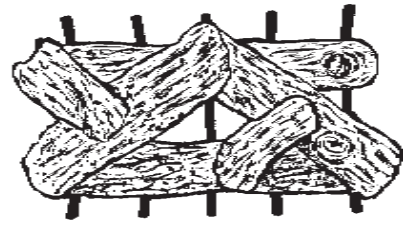
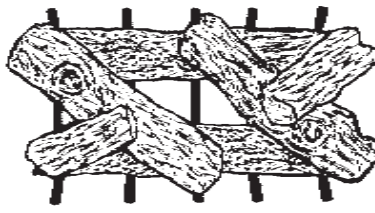
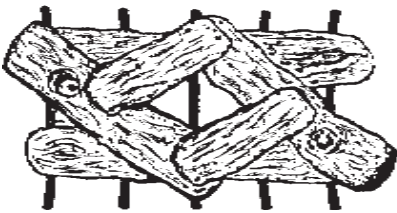
Observe the flames. The main burner flames should be blue at the base and a combination of blue/yellow at the body and at the tips. They should be 5" to 8" above the logs, with the center flame being the tallest (see cover photo). Front flames in the ember burner should be 1/4" above the embers.

EXAMPLE LOG PLACEMENTS

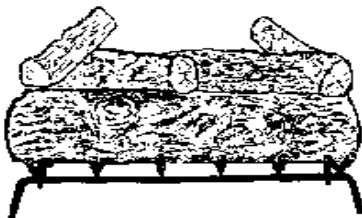
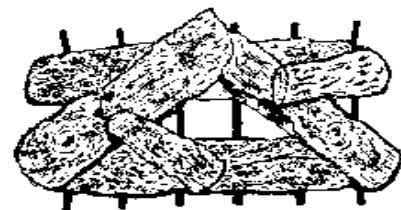
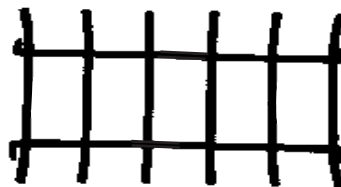
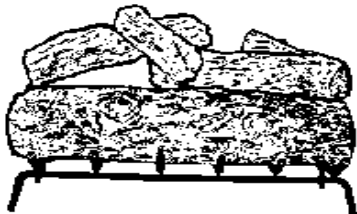
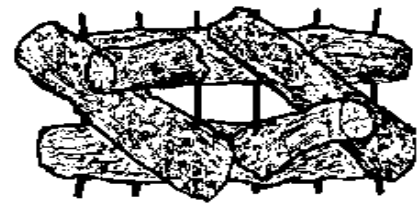
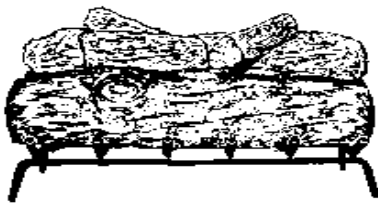
GOLDEN OAK



GOLDEN OAK

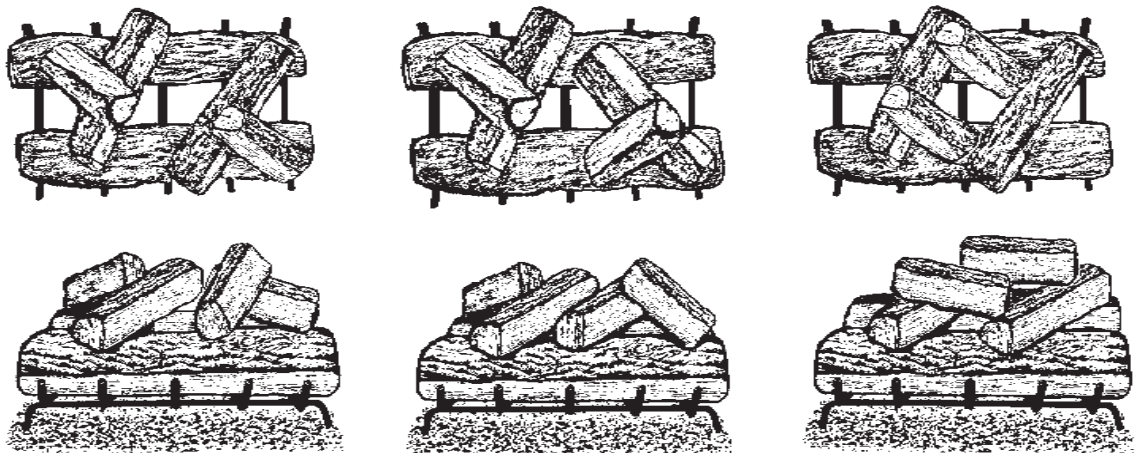


GOLDEN OAK

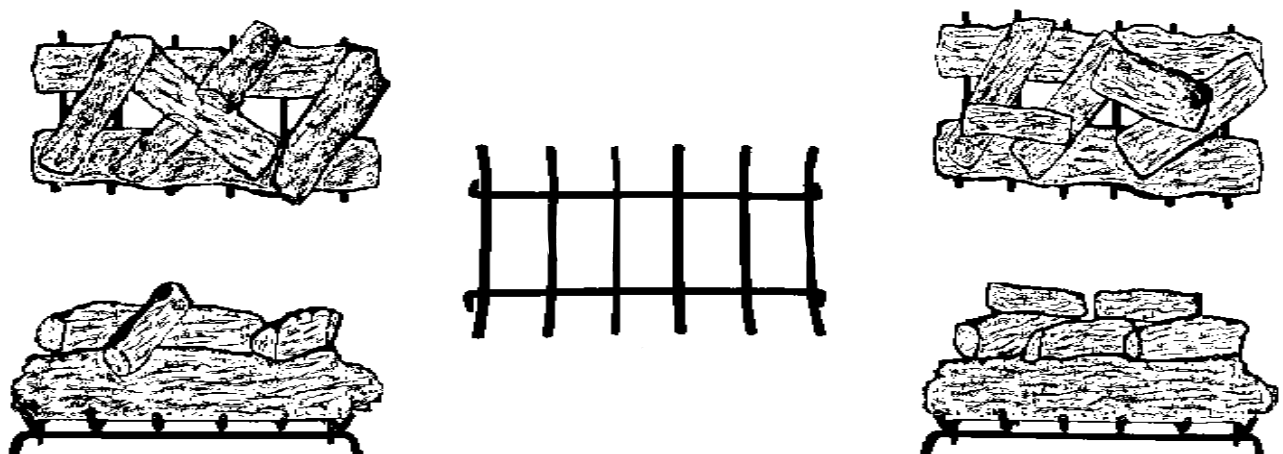


EXAMPLE LOG PLACEMENTS

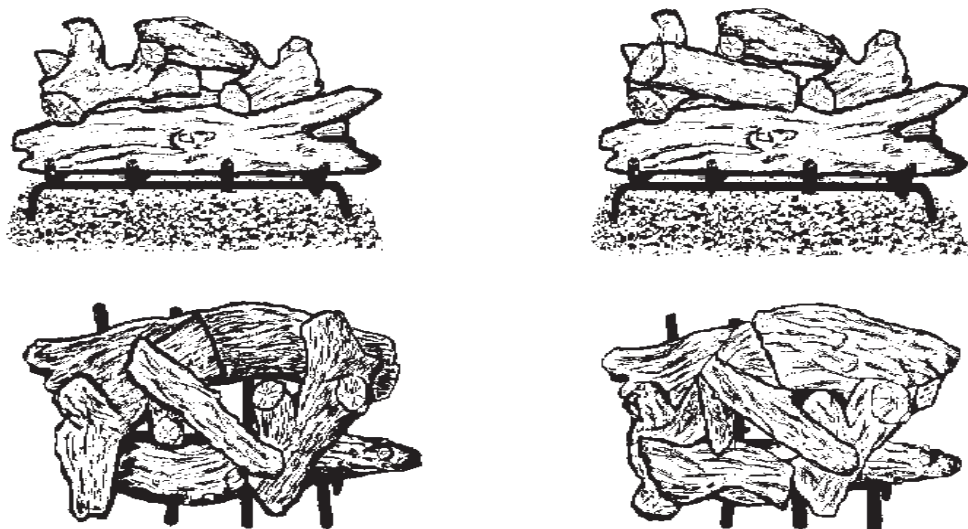
SPLIT LOG



SPLIT LOG



DRIFTWOOD (G4 ONLY)



TROUBLESHOOTING YOUR GAS LOG SET

SYMPTOM	CAUSE	SOLUTION
1. Excessive smoking and sooting	A. Poor draft or downdraft	A. Check for chimney blockage. Be sure chimney is at least 3' taller than anything within 10' of it in all directions. If not, consult a chimney sweep. Chimney cap or fan may help. Under severe conditions, you may need to open a window near the fireplace about 1" to 2" when burning the log set.
	B. Improper burner for gas used	B. Use only a natural-gas set with natural gas. Use only a propane-gas set with propane gas.
	C. Damper closed	C. Open the damper fully when operating the gas log set.
	D. Improper log placement	D. Be sure the bottom logs are spaced at least 3" apart. Top logs should be placed to minimize flame impingement.
	E. Flue is less than 8" in diameter	E. Remove the burner and log set because of inadequate fireplace ventilation.
	F. Air mixer on propane set is closed	F. Open the air mixer completely.
2. Low flame	A. Incorrect log set for type of gas used	A. Consult your dealer for proper set.
	B. Insufficient gas supply	B. Other gas appliances may be competing for gas supply. Consult installer or plumber. Orifice size is based upon 7" w.c. pressure for natural gas and 11" w.c. pressure for propane gas. Plumbing must supply adequate pressure.
	C. Blockage or kink in connector kit, plumbing, or burner orifice	C. Clean out blockage. If connector kit is kinked, replace it.
	D. Valve not fully open	D. Open valve fully.

TROUBLESHOOTING YOUR GAS LOG SET (Cont.)

SYMPTOM	CAUSE	SOLUTION
3. Uneven flame distribution (Lower at one end of the burner)	A. Clogged or blocked portholes	A. Portholes can be cleared of foreign object by running a wire through them.
	B. Insufficient gas pressure and/or supply	B. Consult installer or plumber. (See solution 2b.)
	C. Granules may be packed down too tightly	C. Loosen granules around burner pipe by running a kitchen knife along both sides of pipe. Even out granules in burner pan.
	D. Auxiliary shutoff valve partially closed	D. Open valve fully. Usually, you will find this along the wall 3' from the fireplace.
4. Flame at air mixer (For propane units)	A. Clogged or blocked portholes	A. Portholes can be cleared of foreign object by running a wire through them.
	B. Insufficient gas pressure and/or supply	B. Consult installer or plumber. (See solution 2b.)
	C. Granules may be packed down too tightly	C. Loosen granules around the burner by running a kitchen knife along both sides of the pipe. Be sure vermiculite (not sand) is used with an air mixer.
	D. Excessive gas pressure	D. Contact your gas supplier.

AVAILABLE ACCESSORIES FOR THE GAS BURNER SYSTEM

The following accessories are available for burner systems as indicated, and can be purchased separately from your local Peterson Real-Fyre® dealer. Before purchasing, make sure the accessory you desire is compatible with your specific model (for example, VR-2A is used with the Series 15 systems). **To install and operate any accessory, simply follow the instructions supplied with your accessory kit.**

Note: Photos not to scale

FOR SERIES 15: REMOTE TRANSMITTERS AND RECEIVERS

**FOR VARIABLE FLAME-HEIGHT CONTROL
(FOR USE WITH SERIES 15 VALVES) AND FOR NATURAL OR PROPANE GAS**

VR-2A



Transmitter handset, receiver, handset holder, wall switch, and wiring

VR-1A



Transmitter handset, receiver, handset holder, and wiring

RVF-1



Transmitter handset, receiver, and wiring

FOR SERIES 15: WS-3 WALL SWITCH

THE WS-3 SWITCH OPERATES FLAME-HEIGHT CONTROL KNOB ON SERIES 15 VALVES

Switch to valve wiring



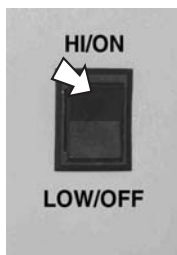
Cover screws



Wall switch cover



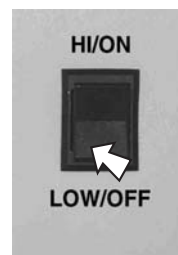
Battery holder



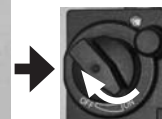
Press HI/ON to turn unit on or increase flame height.



Flame-height control knob will rotate counterclockwise.



Press LOW/OFF to decrease flame height or turn unit off.



Flame-height control knob will rotate clockwise.

FOR SERIES 16: WS-4 WALL SWITCH

THE WS-4 SWITCH OPERATES THE FLAME-HEIGHT CONTROL KNOB

Cover screws



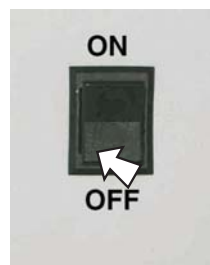
Switch to valve wiring



Wall switch cover

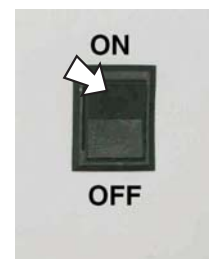


Battery holder



Press OFF to extinguish the main burner.

Press ON to ignite the main burner.



AVAILABLE ACCESSORIES FOR THE GAS BURNER SYSTEM (Cont.)

FOR SERIES 01, 10, 11, and 12: ON/OFF REMOTES AND RECEIVERS

BATTERY-OPERATED REMOTE LIGHTING SYSTEMS FOR USE WITH NATURAL OR PROPANE GAS

RR-2A



Transmitter handset,
receiver, handset holder,
wall switch, and wiring

RR-1A



Transmitter handset,
receiver, wall switch,
and wiring

RUS-1



Transmitter handset,
receiver

PC-105/PC-106 PINE CONE REMOTE

BATTERY-OPERATED REMOTE LIGHTING SYSTEM WITH DECORATIVE PINE CONE RECEIVER FOR USE WITH NATURAL OR PROPANE GAS

PC-105 Remote transmitter
(for use with Series 01,
10, 11, and 12)



**Pine cone
receiver**



PC-106 Remote transmitter
(for use with Series 16)



FOR SERIES 01, 10, 11, and 12: WS-1 AND WS-2 WALL SWITCHES

WS-1 SWITCH: CONTROLS BURNER SYSTEM LIGHTING AND SHUTDOWN

WS-2 TIMER WALL SWITCH: CONTROLS OPERATING TIME (UP TO 60 MIN.)



Wall switch (WS-1)



Mechanical timer (WS-2)

WARRANTY

PETERSON VENTED GAS LOG SETS LIMITED WARRANTY

All Peterson gas logs are **WARRANTED** for as long as you own them (lifetime).

All Peterson burner assemblies are **WARRANTED** for TEN (10) YEARS.

SPK-26 controls are covered by a **THREE (3) YEAR "All Parts" Warranty**.

All other Peterson valves, pilots, and controls are covered by a **ONE (1) YEAR Limited Warranty (excluding batteries)**.

PLEASE KEEP A COPY OF YOUR SALES SLIP FOR PROOF OF PURCHASE

This warranty applies to the original purchaser and to single family residential use only. It commences from date of purchase, and is valid only with proof of purchase.

This warranty does not cover parts becoming defective through misuse, accidental damage, electrical damage, improper handling, storage, and/or installation. Product must be installed (and gas must be connected) as specified in the instructions or operator's manual, by a **qualified professional installer**. Accessories, parts, valves, remotes, etc., when used must be Peterson Co. product.

This warranty **does not** apply to rust, corrosion, oxidation, or discoloration, unless the affected component becomes inoperable. It **does not** cover labor or labor-related charges.

This warranty specifically excludes liability for **indirect, incidental**, or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specified legal rights, and you may have other rights that may vary from state to state.

For additional information regarding this warranty, or to place a warranty claim, contact the R.H. Peterson dealer where the product was purchased.

ROBERT H. PETERSON CO.

Quality Check

Date: _____

Orifice # (Main): _____

Orifice # (Other): _____

Leak Test: _____

Burn Test: _____

Gas Type: NAT. / PROPANE

Model #: _____

Serial #: _____

Air Shutter: _____

Inspector: _____